

Product datasheet for **RG214649**

CCDC85A (NM_001080433) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	CCDC85A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG214649 representing NM_001080433
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCGAAGGCGGCCGAGGCGCGGCGCGGTGCGGCGCGCGGAAAGTTGTTCCCAAGCCCCGCGCC
 GCTCGTCCGCGGCCCGCCCGCGCGGTGGAGGACCTGTCCAAAGTGTCCGACGAGGAGCTGCTGCAGTG
 GAGCAAGGAGGAGCTGATCCGCGAGCCTGCGGCGCGCCGAGGCGGAGAAGGTGAGCGCGATGCTGGACCAC
 AGCAACCTCATCCGCGAGGTGAACCGCCGCTGCAGCTGCACCTCGGCGAGATCCGCGGCCCTCAAGGATA
 TCAACCAGAACTCCAGGAAGACAACAGGAAGTGAAGGACCTCTGCTGTTTCTGGATGATGACCGGCA
 GAAAGGCAAGAGGGTGTCTCGGGAGTGGCAGAGACTGGGTGCTACACTGCCGGGGTATGCACAAGGAA
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 TCAGGGGCTGATGGGAGTAACAGTTCAACCAACTCTGCAGCTAGCTTCAGTGGACATGCCACACCTTCCC
 AGCAGCCTGAACCTGTGGTACATTCTCTTAAGGTTGTGTGGAGGAACTTGGAGATGCTGCAGGTTCTGT
 TCCTGGAATTAGGCAACATTTGTCAGGAAACAGTACAAGGACCAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

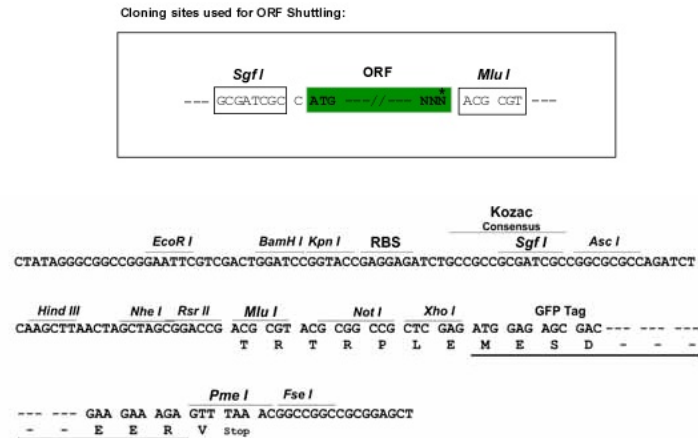
Protein Sequence: >RG214649 representing NM_001080433
 Red=Cloning site Green=Tags(s)

MSKAAGGAAAAAAESCSPAPAGSSAAPPAPVEDLSKVSDEELLQWSKEELIRSLRRAEAEKVSAMLDH
 SNLIREVNRRQLHLGEIRGLKDINQKLQEDNQELRDLCCFLDDRQKGKRVSRWQRLGRYTAGVMHKE
 VALYLQKLKDLEVKQEEVVKENMELKELCVLLDEEKGAGCAGSRCSIDSQASLCQLTASTAPYVRDVG
 SSTSSTGSTDSPDHHKHHASSGSPEHLQKPRSEGSPEHSKHSASPEHPQKPRACGTPDRPKALKGPSPE
 HHKPLCKGSPEQQRHPHPGSSPETLPKHVLSGSPEHFQKHSRSGSSPEHARHSGGSPEHLQKHALGGSLEH
 LPRARGTSPEHLKQHYGGSPDHKHGGSGGSGGSGGSGREGTLRRQAQEDGSPHHRNVYSGMNESTLSYV
 RQLEARVRQLEENRMLPQASQNRQPPTNRSSNMEKGWGSRRARVLQWWQCGRGIGRCLPTLPGSFRLS
 SGADGSNSPNSAASFSGHATPSQQPEPVVHSLKVVRKLGDAAGSCPGIRQHLSGNQYKGP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001080433

ORF Size: 1659 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001080433.2](#)

RefSeq Size: 3983 bp

RefSeq ORF: 1662 bp

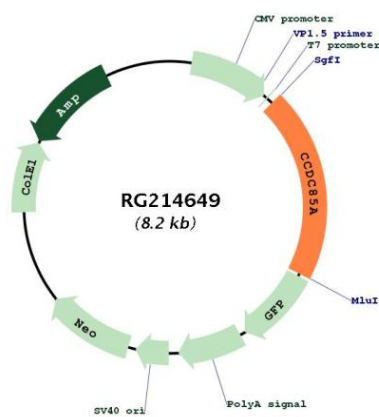
Locus ID: 114800

UniProt ID: [Q96PX6](#)

Cytogenetics: 2p16.1

Gene Summary: May play a role in cell-cell adhesion and epithelium development through its interaction with proteins of the beta-catenin family.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG214649